

SOV/115-58-1-28/50

Measuring Alternating Currents and Voltages by the Compensation Method

method is applicable only for such alternating currents and voltages whose phase coincides with the excitation phase of the vibratory converter. The error observed in test measurements by this method is about 0.5%. There is 1 diagram and 1 Soviet reference.

1. Alternating currents---Measurement
2. Voltage---Measurement
3. Potentiometers---Performance
4. Control systems---Equipment

Card 2/2

KORNIL'YEV, G.

Achievements of a progressive team. Mast. ugl. 6 no.6:5 Ja '57.
(MLRA 10:8)

1. Nachal'nik uchebnogo punkta shakhty "Atyuktinskaya-2" kombinata
Shakhtantratsit.
(Coal mines and mining)

KORNIL'YEV, G., inzh.

Improving the quality of coal! Mant. ugl. 9 no.9:5 S'60.

(MIRA 13:10)

1. Shakhta No 2 "Atyuktinskaya", Rostovskogo sovnarkhoza.
(Donets Basin--Coal mines and mining)

KORNIL'YEV, P.V., inzh., red.; MUNITS, A.P., red. izd-va; TSYNEMAN, T.M.,
tekhn. red.

[Temporary instructions U 132-57/Minstroy for the removal and purification of waste water from shipyards and machinery construction plants] Vremennye ukazaniya po otvedeniyu i oshistke proizvodstvennykh stochnykh vod predpriyatii sudostroitel'noi i mashinostroitel'noi promyshlennosti. (U 132-57/Minstroy). Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekt., 1958. 65 p. (MIRA 11:9)

1. Russia (1917- R.S.F.S.R.) Ministerstvo stroitel'stva.
(Factory and trade waste)

L 04446-67 EWT(1)/FCC GW

ACC NR: AP6018936

SOURCE CODE: UR/0203/66/006/003/0618/0621

AUTHOR: Mamrukov, A. P.; Kiselev, V. A.; Kornil'ev, V. M. 52 B

ORG: Institute of Cosmic Physics Investigation and Aeronomy, Yakutsk Branch, SO AN SSSR
(Institut kosmofizicheskikh issledovaniy i aeronomii Yakutskogo filiala SO AN SSSR)

TITLE: A device for visible registration of the H component of the Earth's magnetic field 12

SOURCE: Geomagnetizm i aeronomiya, v. 6, no. 3, 1966, 618-621

TOPIC TAGS: earth magnetic field, magnetic field measurement, electronic circuit

ABSTRACT: An experimental device for the registration by pen on graph paper of the variations of the H-component of the Earth's magnetic field is described. Appropriate sensors enable the device to register arbitrary components of the magnetic field. The device, now in operation in Yakutsk, consists of a sensor in a constant temperature chamber and a registering device placed 100 m away and connected by an underground cable. The sensor consists of a magnetic variometer equipped with two FS-K2 photoresistors. The paper presents the basic theory, the circuit diagram, and transformer data. The sensitivity of the device may be varied

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UDC: 550.386:681.2

L 04446-67

ACC NR: AP6018936

by changing the resistance in the d-c amplifier grid circuit yielding 3, 1.5, and 0.5 γ/mm .
An example of field component registration is also given. Orig. art. has: 1 formula, 3
tables, and 1 figure.

SUB CODE: 08, 14, 20/ SUBM DATE: 28Jul65/ ORIG REF: 002

Card 2/2 *safe*

BELL, L.N.; CHMORA, S.N.; ~~KORNILOV~~, V.P.

Apparatus for quantitative determination of radiation (photointegrator).
Fiziol. rast. 6 no.4:504-507 J1-Ag '59. (MIRA 12:10)

I.K.A. Timiriazev Institute of Plant Physiology, U.S.S.R. Academy
of Sciences, Moscow.
(Botanical apparatus) (Solar radiation)

BELL, L.N.; CIMORA, S.N. [Chwora, S.N.]; KORNIL^YEV, V.P. [Kornil'yev, V.P.]

Apparatus for determining the length of exposure, photointegrator.
Analele biol 14 no.2:183-187 Ap-Je '60. (EEAI 9:11)
(LIGHT)

Kornilyuk Yu. I.

VYSOTSKIY, I.V.; YEREMENKO, N.A.; KLITOCHENKO, I.F.; KORNILYUK, Yu.I.
MAKSIMOV, S.P.

Classification of drilled wells. Geol. nefti 1 no.8:8-12 Ag '57.
(MIRA 10:12)

(Oil wells--Classification)

KORNILOV, S. V.

36047 Usovershenstvovaniye metodov stroitel'stva magistral'nykh gazoprovodov.
MeKhanizatsiya trudoyemkikh i tyazhelykh rabot, 1949, No. 11, S. 34-40

SO: Letopis' Zhurnal'nykh Statey, Vol. 45, 1949

KORNIS, GY.

Electric power economy in the textile industry; alos, remarks by S. Frischmann and others. p. 458. (MAGYAR TEXTILTECHNIKA, Budapest, Hungary), No. 11/12, Dec. 1954.

SO: Monthly List of East European Accessions, (BEAL), 1C, Vol. 4, No. 5, May 1955.

KORNIS, F.

Battles of the Red Army of the Hungarian Republic of Soviets. p. 259. TERMESZETI
ES TARSADALOM. (Tarsadalom es Termeszettudomani Ismeretterjeszto Vallalat)
Budapest. Vol. 114, no. 5, May 1955. From Lenin's legacy; Lenin's guidance for
workers in cultural propaganda work. p. 257.

SOURCE: East European Accessions List (EEAL), Library of Congress
Vol. 5, no. 6, June 1956

BEKE, Denes; KORBONITS, Dezso; M. Kornis, Rozsa

Data on the chemistry of heterocyclic, pseudobasic amino-carbinols. Pt. 13. Magyar folyoir 65 no. 9:369-371 S '59.

1. Budapesti Muszaki Egyetem Szerves-Kemiai Tanszoke.
2. "Magyar Kemiai Folyoirat" szerkeszto bizottsagi taja (for Beke).

25 (6), 24 (4)

SOV/32-25-5-15/56

AUTHOR:

Kornishin, K. I.

TITLE:

The Application of Xerography in the Roentgenographic Defectoscopic Determination (Primeneniye kserografii v rentgenodefektoskopii)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 5, pp 565-569 (USSR)

ABSTRACT:

The xerographic (X) method (Refs 1-6) is applied by having an electrostatic image formed on the surface of a semiconductor through irradiation of an electrically charged layer of the latter. The said image is made visible by the aid of any electrically charged powder. Selenium or zinc oxide is used most as photoconductor for the production of xerographic films, in which case Se is applied on a metallic basis in vacuum, and ZnO, dispersed in a resin (e.g. BF-2), is applied on paper. Electric charging of xerographic films occurs in a special apparatus (Fig 1) by a point discharge, in which case the use of a high-frequency generator is the most suitable. A voltage of 15 kv is sufficient, as the potential of the film tends toward a certain limit (2500 v), that depends on the thickness of the Se-film (Fig 2), and not on the potential of the charge electrode and the discharge duration

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The Application of Xerography in the
Roentgenographic Defectoscopic Determination

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(Fig 3). It is pointed out that in the case of a shorter time of exposure the film is to be exposed immediately after irradiation as it then exhibits the sharpest contrast. X-ray photographs were taken with an apparatus RUM. A xerographic print is shown that was obtained by an X-ray irradiation of a cast piece of the alloy AL 9 (Fig 6) and the following advantages offered by the (X) method as compared to the halide photography are mentioned: there is a short time interval between exposure end and production of the picture; no dark-room is required; xerographic films may be repeatedly used (500-600 exposures); resolving power is unlimited and the material required is cheap. Data are given concerning xerographic films with equal roentgenographic sensitivity as the films employed in the work reported in the present paper (Table). There are 6 figures, 1 table, and 10 references, 3 of which are Soviet.

Card 2/2

S/032/63/029/001/013/022
B104/B186

AUTHOR: Kornishin, K. I.

TITLE: Electrostatic powder flaw detection

PERIODICAL: Zavodskaya laboratoriya, v. 29, no. 1, 1963, 48-51

TEXT: On the basis of American studies (Detecting cracks in glass-to-metal seals, Electronics, 28, no. 3, 284 (1955), Nondestructing Testing Handbook, v. II, The Ronald Press Co., New York (1959)) a method, resembling magnetic particle testing, is described in application to surface flaw detection in porcelain, silicate etc. using electrostatic powder particles. The concentration of electrically charged powder particles on cracks in parts having an electrically conducting base (e. g. enameled sheet iron) and on parts made of non-conducting materials is discussed. In the first case the positively charged powder particles are caught in the cracks by orientation of the molecular dipoles of the dielectric, in the second case the surface must be moistened with an ionogenic liquid containing ions of both signs. The positive powder particles interact with the negative ions of the liquid and gather on

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Electrostatic powder flaw detection

S/032/63/029/001/013/022
B104/B186

the cracks. The powder becomes electrically charged when passing through the mouthpiece. Best results were obtained with pulverized calcium carbonate and with solutions containing 0.25 to 0.50% of CB -1057 (SV-1057) and CB-1019 (SV-1019) wetteners, similar to those used in the photographic industry for putting emulsions on bases. The sensitivity of the method depends on the test material. In some cases flaws less than 0.1 μ wide could be traced. There are 5 figures.

Card 2/2

KORNISHIN, K.I.

Use of contrast liquids in X-ray analysis. Zav.lab. 30 no.4:
447-449 '64. (MIRA 17:4)

KORNISHIN, M. S.

"On the Stability and Large Deflections of a Slanted Cylindrical Panel Under the Action of a Uniform External Normal Pressure." Cand Tech Sci, Kazan' Aviation Inst, Min Higher Education USSR, Kazan', 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

124-57-1-864

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 1, p 115 (USSR)

AUTHORS: Kornishin, M. S., Mushtari, Kh. M.

TITLE: Stability of an Infinitely Long Slanting Cylindrical Panel Under the Action of a Normal Uniform Pressure (Ustoychivost' beskonechno dlinnoy pologoy tsilindricheskoy paneli pod deystviyem normal'nogo ravnomernogo davleniya)

PERIODICAL: Izv. Kazansk. fil. AN SSSR, ser. fiz.-matem. i tekhn. n., 1955, Nr 7, pp 36-50

ABSTRACT: The paper offers a theory of large deflections of an infinitely long, slanting, circular cylindrical panel subjected to the action of a uniform normal pressure from the convex side. The edges of the panel are considered attached; the cases of hinged and fixed attachments of the edges are examined. Equations are written linking the deflection of the panel and the stresses at the center of the surface with the intensity of the load; these relationships appear to be exact within the limits of the assumptions made in the theory of slanting shells. An exact analysis is carried out for the character of the deformation of the panel having differing degrees of curvature. The conditions for the

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124-57-1-864

Stability of an Infinitely Long Slanting Cylindrical Panel (cont.)

formation of a loop-shaped "deflection-versus-load" curve are found, and the upper and lower values of the loading intensity are indicated. The effect of initial deviations from the circular shape upon the comportment of the panel are evaluated. It is shown that an initial antisymmetrical deflection can strongly influence both the upper and the lower critical loading. Some relationships for the exact solution of the given problem were earlier obtained by I. G. Bubnov [Tr. po teorii plastin (Studies on the Theory of Plates), 1953, pp 282-284].

A. S. Vol'mir

1. Cylindrical panels--Stability--Mathematical analysis 2. Cylindrical panels
--Theory

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KORNISHIN, M. S.

SOV/124-58-5-5700

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 5, p 110 (USSR)

AUTHORS: Mushtari, Kh. M., Kornishin, M. S.

TITLE: On the Convergence of the Galerkin Method When Determining the Upper and the Lower Critical Load Limits in a Particular Nonlinear Problem (O skhodimosti metoda Galerkina pri opredelenii verkhney i nizhney kriticheskikh nagruzok v odnoy nelineynoy zadache)

PERIODICAL: Izv. Kazansk. fil. AN SSSR. Ser. fiz. -matem. i tekhn. n., 1956, Nr 10, pp 27-30

ABSTRACT: A shallow cylindrical shell of infinite length subjected to an external uniform pressure is examined. By applying the Bubnov-Galerkin method the authors calculate the upper (P_u) and the lower (P_e) critical loads for the given problem. On the basis of the calculations performed it is demonstrated that in case of a pin-joint-supported shell, for a wide range of shell-parameter variations, the P_u and P_e values can be determined with sufficient accuracy for all practical purposes by the second approximation. In the case of a clamped shell the P_u value is determined with sufficient accuracy by the second approximation,

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On the Convergence of the Galerkin Method (cont.)

while the P_e value requires four approximations. In the two cases mentioned above the Bubnov-Galerkin method approximates the P_e value on the lower side of the true value.

I. I. Vorovich

1. Cylindrical shells--Mechanical properties
2. Cylindrical shells--Mathematical analysis

Fiziko-tekhnicheskiy institut Kazanskogo filiala AN SSSR.

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SOV/124-57-5-5881

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 5, p 123 (USSR)

AUTHOR: Kornishin, M. S.

TITLE: The Influence of an Unsymmetrical Deviation From the Regular Shape on the Deformation of a Shallow Panel Under the Action of a Transverse Load (Vliyaniye nesimmetrichnoy nepravil'nosti na deformatsiyu pologoy paneli pri poperechnoy nagruzke)

PERIODICAL: Izv. Kazansk. fil. AN SSSR, Ser. fiz.-matem. i tekhn. n., 1956, Nr 10, pp 63-68

ABSTRACT: The dependence of the pressure on the deflection is determined for a cylindrical panel, freely supported along all sides, having a sinusoidally patterned initial deviation from its ideal shape. The problem is solved under the premise of nonlinearity by integrating the three displacement-equilibrium equations by means of the Bubnov-Galerkin method. An explicit solution is provided for the case of a panel having a length/width ratio of 2; in particular, the author determines the minimal value of the initial curvature at which unsymmetrical buckling of the panel occurs without any initial deflection. It remains to be seen just why that value of the

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The Influence of an Unsymmetrical Deviation From the Regular Shape (cont.)

curvature, which had been obtained for a side ratio of 0.5, should be adduced as a general criterion for the shallowness of a panel.

N.A. Alfutov

Card 2/2

SOV/147-58-3-5/18

AUTHOR: Kornishin, M.S.

TITLE: The Bending and Stability of Curved Cylindrical Panels and Plates with Elastic Ribs (Izgib i ustoychivost' pologikh tsilindricheskikh paneley i plastin s uprugimi rebrami)

PERIODICAL: Izvestiya Vysshikh Uchebnykh Zavedeniy, Aviatsionnaya Tekhnika, 1958, Nr 3, pp 34-38 (USSR)

ABSTRACT: The bending and stability is investigated under the action of a uniform transverse load and axial forces on curved cylindrical panels and plates which are rectangular in plan and whose boundaries are supported by elastic ribs which are flexible in the tangent plane. A method of constructing the stress function is given which takes into account the reaction of the ribs. The problem can then be solved by applying the Bubnov-Galerkin method to each of the two equations

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SOV/147-58-3-5/18

The Bending and Stability of Curved Cylindrical Panels and Plates
with Elastic Ribs

in the theory of curved shells. There are 2 Soviet
references.

ASSOCIATION: Kazanskiy Filial AN SSSR, Kafedra
teoreticheskoy Mekhaniki Kazanskogo Khimiko-
tekhnologicheskogo Instituta (Kazan' Branch of the
Ac.Sc.USSR. The Chair of Theoretical
Mechanics of the Kazan' (Chemico-technological Institute)

SUBMITTED: 7th January 1958.

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24.4100

68941
S/147/59/000/04/018/020
E031/E413

AUTHOR: Kornishin, M.S.

TITLE: On the Solution of a System of Non-Linear Algebraic Equations in the Theory of Shells ²⁶

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Aviatsionnaya tekhnika, 1959, Nr 4, pp 151-154 (USSR)

ABSTRACT: The equations discussed arise in solving non-linear problems in the theory of plates and shells and depend on a parameter λ for a range of values of which the solution of the equations is required. Suppose that for a series of values $\lambda_1, \lambda_2, \dots, \lambda_k$ the roots of the system of equations have been found. To find the solution corresponding to the next value of λ, λ_{k+1} , by the method of successive approximations, convergence will be speeded up if we can find a good initial guess. The correction to this guess is found by solving a linear system of equations. If as a first approximation to the roots in the case $\lambda = \lambda_{k+1}$ we take the roots for $\lambda = \lambda_k$, the correction term will be of order δ (where δ is increment between successive values of λ and is assumed to be constant).

Card 1/2

KORNISHIN, M.S. (Kazan'); MUSHTARI, Kh.M. (Kazan')

Algorithm of a solution of nonlinear problems in the theory of
sloping shells. Prikl. mat. i mekh. 23 no.1:159-163 Ja-F '59.

(MIRA 12:2)

(Elastic plates and shells)

(Differential equations, Partial)

REPORT PRESENTED AT THE 1st All-Union Congress of Theoretical and Applied Mechanics,
Moscow, 27-31 Jan - 3 Feb '60.

- KORNAI, S. H. W., M. S.
12394. A. A. Dvornikov (Moscow): Problems of the theory of plasticity under uniaxial loading.
 12395. V. K. Kozlov (Khabarovsk): Elastic-plastic vibrations of rods of non-circular cross sections.
 12396. V. K. Kozlov (Khabarovsk): The forced non-linear flexural vibrations of a rod of non-circular cross section and a very long rectangular plate.
 12397. A. A. Dvornikov (Moscow): On a method of solving the problems of determining the initial microstress field in the presence of a magnetic field.
 12398. A. A. Dvornikov (Moscow): An engineering method for the design of open prismatic shells.
 12399. V. K. Kozlov (Khabarovsk): The distribution of vertical compressive stresses and strains in laminations of homogeneous and heterogeneous plates.
 12400. A. A. Dvornikov (Moscow): Bending of cantilever plates of arbitrary cross-section.
 12401. A. A. Dvornikov (Moscow): The effect of aging on anisotropy of the properties of plates.
 12402. A. A. Dvornikov (Khabarovsk): On the time of rupture in creep.
 12403. A. A. Dvornikov (Khabarovsk): On some variational principles and extrema in the theory of plasticity.
 12404. S. A. Kozlov (Khabarovsk): A procedure of determining an upper bound on the load-carrying capacity of plates.
 12405. A. A. Dvornikov (Khabarovsk): Some generalizations of the formulas for the calculation of the critical load-carrying capacity of plates under their solution.
 12406. A. A. Dvornikov (Khabarovsk): The flow of a viscoplastic medium in a plane.
 12407. A. A. Dvornikov (Khabarovsk): On the elastic equilibrium of thin, flexible, anisotropic plates.
 12408. S. A. Kozlov (Khabarovsk): Results of the experiments on the flow of the medium in the bending of thin plates and shells.
 12409. A. A. Dvornikov (Khabarovsk): Elastic shells of revolution of arbitrary cross-section in a three-dimensional equilibrium field.
 12410. A. A. Dvornikov (Khabarovsk): Elastic stability of cylindrical and spherical shells.
 12411. A. A. Dvornikov (Khabarovsk): The influence of initial imperfections on the stability of thin elastic cylindrical shells.
 12412. V. K. Kozlov (Khabarovsk): Elastic stability and post-buckling behavior.
 12413. A. A. Dvornikov (Khabarovsk): On the stability of thin elastic shells under their solution.
 12414. S. A. Kozlov (Khabarovsk): The design of flexible plates and shells on elastic foundations.
 12415. A. A. Dvornikov (Khabarovsk): Bending of rectangular shells under their solution.
 12416. A. A. Dvornikov (Khabarovsk): On the solution of the nonlinear problem of the stability of thin elastic shells.
 12417. A. A. Dvornikov (Khabarovsk): On the stability of thin elastic shells under their solution.
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 12490. A. A. Dvornikov (Khabarovsk): On the stability of thin elastic shells under their solution.
 12491. A. A. Dvornikov (Khabarovsk): On the stability of thin elastic shells under their solution.
 12492. A. A. Dvornikov (Khabarovsk): On the stability of thin elastic shells under their solution.
 12493. A. A. Dvornikov (Khabarovsk): On the stability of thin elastic shells under their solution.
 12494. A. A. Dvornikov (Khabarovsk): On the stability of thin elastic shells under their solution.
 12495. A. A. Dvornikov (Khabarovsk): On the stability of thin elastic shells under their solution.
 12496. A. A. Dvornikov (Khabarovsk): On the stability of thin elastic shells under their solution.
 12497. A. A. Dvornikov (Khabarovsk): On the stability of thin elastic shells under their solution.
 12498. A. A. Dvornikov (Khabarovsk): On the stability of thin elastic shells under their solution.
 12499. A. A. Dvornikov (Khabarovsk): On the stability of thin elastic shells under their solution.
 12500. A. A. Dvornikov (Khabarovsk): On the stability of thin elastic shells under their solution.

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S/147/60/000/01/007/018

E031/E535

AUTHOR: Kornishin, M.S.

TITLE: The Bending of Curved Shells⁷⁶ of Rectangular Planform
Shells with Elastic Ribs₁

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Aviatsionnaya
tekhnika, 1960, Nr 1, pp 63-67 (USSR)

ABSTRACT: The flexure is caused by uniform transverse loads directed towards the centre of curvature. The corners of the shell are fixed so as to be immovable and the edges are attached by hinges to ribs which are rigid in the normal plane and flexible in the tangent plane. The effect is discussed of the rigidity with respect to the tangential displacements of the ribs on the deformation of the shell. The expressions for the components of the tangential displacements are a synthesis of the usual representation of these components and the hypothesis that the mean surface is inextensible. The question of the convenience of this representation is discussed. It is stated that in the present case it is

Card 1/2

69318

S/147/60/000/01/007/018
E031/E535

The Bending of Curved Shells of Rectangular Planform Shells with Elastic Ribs

justified. Numerical calculations were undertaken on the electronic digital computer "Strela" and results for a square plate and a square dome are presented. Finally the influence of the rigidity of the ribs is discussed. At first sight it appears that a shell attached on its contour to ribs of 15-20 times its thickness could be considered as having immovable edges. In fact this is not so. The increase in the loading parameters with such ribs for both the plate and the dome is relatively small. From additional calculations of the increment to the loading parameter it is seen that it is approximately proportional to the rigidity of the ribs and hence the relationship can be used to evaluate the effect of ribs of smaller rigidity than

Card 2/2 in the sample.

There are 3 figures and 4 Soviet references.

ASSOCIATION: Kazanskiy filial AN SSSR (Kazan' Branch of the Ac.Sc., USSR)

SUBMITTED: July 30, 1959

32893

S/044/61/000/012/049/054
0111/0222

16.6500

AUTHOR: Kornishin, M. S.

TITLE: The application of the collocation method to the solution of several linear and non-linear problems of the theory of plates

PERIODICAL: Referativnyy zhurnal, Matematika, no. 12, 1961, 48, abstract 12V281. ("Izv. Kazansk. fil. AN SSSR. Ser. fiz.-matem. i tekhn. n", 1960, vyp. 14, 43-54)

TEXT: Described are some considerations of a practical nature (how to choose the form of the desired approximate solution, the collocation points, etc.) regarding the applicability of the collocation method to solve partial differential equations. An estimate of errors is given, which is based on an "examination of the factual instability". A method is given to improve the solution with the aid of an "equivalent" correction.

[Abstracter's note: Complete translation.]

Card 1/1

KORNISHIN, N.S.

Use of the collocation method in solving certain linear and nonlinear problems in the theory of plates. Izv. Kazan. fil. AN SSSR. Ser. fiz.-mat. i tekhn. nauk no. 14:13-54 '60.

(UFGA 14:11)

(Differential equations)
(Elastic plates and shells)

16.6800

S/044/62/000/008/043/073
C111/C222

AUTHORS: Kornishin, M.S., Kasimova, D.A.

TITLE: On a method for solving systems of non-linear difference equations for the plate bending

PERIODICAL: Referativnyy zhurnal, Matematika, no. 8, 1962, 30, abstract 8V155. ("Tr. konferentsii po teorii plastin i obolochek, 1960". Kazan', 1961, 191-198)

TEXT: The authors describe a method for solving the non-linear difference equations for the plate bending. The method is based on the general iteration method and on the application of the extrapolation for determining the roots of the zero approximation. With this method systems of non-linear difference equations have been solved which occur when considering large bendings of quadratic plates with flexible and fixed boundaries, if the stress is uniformly distributed or acts on a small surface in the neighborhood of the center. Results of the calculations carried out on the computer "Strela" are given. It is mentioned that the solution of the system of equations required 13

Card 1/2

APPROVED FOR RELEASE: 06/14/2000

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S/044/62/000/008/043/073
C111/C222

On a method for solving ...

minutes for 28 values of the stress understood as parameter and that, when applying the method of Seidel, one needs more than ten times as much iterations for equal exactness.

[Abstracter's note : Complete translation.]

Card 2/2

The application of successive ...

S/044/62/000/008/044/073
C111/C222

of which is smaller than 0.1%, plays an essential rôle. A table of the calculation results carried out on the computer "Strela" is given. The calculation was carried out for a round plate and a very flat spherical segment under uniformly distributed stress and under boundary conditions corresponding to the rigid, sliding and flexible clamping. In all cases the exactness $\epsilon = 10^{-1}$ for 3-4 successive approximations was attained ; the solution of one problem required 20-25 minutes computer time for 16 values of bending in the center. Bibliography : 4 titles. ✓B

[Abstracter's note : Complete translation.]

Card 2/2

MUSHTARI, Kh.M., red.; ALUMYAE, N.A., red.; BOLOTIN, V.V., red.;
VOL'MIR, A.S., red.; GANIYEV, N.S., red.; GOL'DENVEYZER,
A.L., red.; ISANBAYEVA, F.S., red.; KIL'CHEVSKIY, N.A.,
red.; KORNISHIN, M.S., red.; LUR'YE, A.I., red.; SAVIN,
G.N., red.; SACHENKOV, A.V., red.; SVIRSKIY, I.V., red.;
SURKIN, R.G., red.; FILIPPOV, A.P., red.; ALEKSAGIN, V.I.,
red.; SEMENOV, Yu.P., tekhn. red.

[Proceedings of the Conference on the Theory of Plates and
Shells] Trudy Konferentsii po teorii plastin i obolochek, Ka-
zan', 1960. Kazan', Akad. nauk SSSR, Kazanskii filial, 1960.
426 p. (MIRA 15:7)

1. Konferentsiya po teorii plastin i obolochek, Kazan', 1960.
 2. Moskovskiy energeticheskiy institut (for Bolotin).
 3. Kazanskii khimiko-tekhnologicheskii institut (for Ganiyev).
 4. Institut mekhaniki Akademii nauk USSR (for Kil'chevskiy).
 5. Kazanskii gosudarstvennyy universitet (for Sachenkov).
 6. Kazanskii filial Akademii nauk SSSR (for Svirskiy).
- (Elastic plates and shells)

S/124/63/000/001/045/080
D234/D308

AUTHORS: Kornishin, M.S. and Kasimova, D.A.
TITLE: A method of solving systems of nonlinear finite difference equations of plate bending
PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 1, 1963, 16, abstract 1V109 (Tr. Konferentsii po teorii plastin i obolochek, 1960. Kazan' 1961, 191-198)

TEXT: The authors describe a method based on the use of a general iteration method combined with extrapolation for obtaining the roots of zero approximation. By this method systems are solved to which the problems of large deflection of hinged or rigidly clamped square plates reduce. The lattice step was chosen equal to one-tenth of the side of the square. Two cases of loading were considered: a uniformly distributed load on the whole plate and a uniformly distributed one on a small area at the center. Calculations were carried out on a 'Strela' computer. 9 references.
[Abstracter's note: Complete translation]

Card 1/1

Kornishin, M.S.
BOROVSKIY, P. V.

PHASE I BOOK EXPLOITATION

SOV/6206 25

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824720015-

Trudy Konferentsii po teorii plastin i obolochek; 24-29 oktyabrya 1960. (Transactions of the Conference on the Theory of Plates and Shells Held in Kazan', 24 to 29 October 1960). Kazan', [Izd-vo Kazanskogo gosudarstvennogo universiteta] 1961. 426 p. 1000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Kazanskiy filial. Kazanskiy gosudarstvennyy universitet im. V. I. Ul'yanova-Lenina.

Editorial Board: Kh. M. Mushtari, Editor; P. S. Isanbayeva, Secretary; N. A. Almyae, V. V. Bolotin, A. S. Vol'mir, N. S. Ganiyev, A. L. Gol'denveyzer, N. A. Kil'chevskiy, M. S. Kornishin, A. I. Lur'ye, G. N. Savin, A. V. Sachenkov, I. V. Svirskiy, R. G. Surkin, and A. P. Filippov. Ed.: V. I. Aleksagin; Tech. Ed.: Yu. P. Semenov.

PURPOSE: The collection of articles is intended for scientists and engineers who are interested in the analysis of strength and stability of shells.

Card 1/14

Transactions of the Conference (Cont.)

SOV/6206 75

COVERAGE: The book is a collection of articles delivered at the Conference on Plates and Shells held in Kazan from 24 to 29 October 1960. The articles deal with the mathematical theory of plates and shells and its application to the solution, in both linear and nonlinear formulations, of problems of bending, static and dynamic stability, and vibration of regular and sandwich plates and shells of various shapes under various loadings in the elastic and plastic regions. Analysis is made of the behavior of plates and shells in fluids, and the effect of creep of the material is considered. A number of papers discuss problems associated with the development of effective mathematical methods for solving problems in the theory of shells. Some of the reports propose algorithms for the solution of problems with the aid of electronic computers. A total of one hundred reports and notes were presented and discussed during the conference. The reports are arranged alphabetically (Russian) by the author's name.

Card 2/14

3/8/79/G2/000/000/008/088
D234/D308

AUTHOR: Kornishin, M. S. (Kazan')

TITLE: Some problems of application of the method of finite differences to the solutions of boundary problems of the theory of shells

SOURCE: Teoriya plastin i obolochek; trudy II Vsesoyuznoy konferentsii, L'vov, 15-21 sentyabrya 1961 g. Kiev, Izd-vo AN USSR, 1962, 97-100

TEXT: The author gives several examples: 1) Axially symmetrical bending of a square plate with clamped edges and uniform transverse load. The plate is divided into 100 meshes and the biharmonic operator is replaced by the well-known approximation having an error of the order $O(h^2)$. 15 linear equations are obtained. If 5 of these equations are replaced by relations following from

$$\frac{\partial F}{\partial \xi} = 0 \quad (5)$$

Card 1/2

S/879/62/000/000/010/088
D234/D308

AUTHOR: Kornishin, M. S. (Kazan')

TITLE: Estimation of error and methods of increasing the accuracy of solution of boundary problems of the theory of shells by the method of finite differences

SOURCE: Teoriya plastin i obolochek, trudy II Vsesoyuznoy konferentsii, L'vov, 15-21 sentyabrya 1961 g. Kiev, Izd-vo AN USSR, 1962, 106-108

TEXT: The author considers a modification of Runge's principle which does not require two or more solutions with different lattice spacings. A formula is obtained for the order of error and for the solution improved by extrapolation, using an $O(h^2)$ approximation. A more exact method is based on an $O(h^4)$ approximation:

$$u_{ik} = \psi_{ik} + O(h^4) \quad (2.1)$$

Card 1/2

Estimation of error ...

S/879/62/000/000/010/088
D234/D308

if a solution with an $O(h^2)$ approximation (\bar{u}_{ik}) is known. The corrections are found from

$$L\bar{\Delta}u_{ik} = \Delta\bar{\psi}_{ik} \quad (2.3)$$

where

$$\Delta\bar{\psi}_{ik} = l\bar{u}_{ik} - \gamma_{ik} - o(h^4). \quad (2.2)$$

Card 2/2

L 18427-63 EWP(r)/EWT(m)/BDS AFETC JD

8/0258/63/003/003/0490/0497

ACCESSION NR: AP3006349

AUTHORS: Kornishin, M. S.; Isambayeva, F. S. (Kazan) 53

TITLE: Deflection of flexible plate with hinged ends

SOURCE: Inzhenernyy zhurnal, v. 3, no. 3, 1963, 490-497

TOPIC TAGS: deflection, flexible, uniform load

ABSTRACT: Solutions have been obtained for a set of nonlinear plate deflection problems (with hinged ends) using the method of finite differences in increasing accuracy. Five sets of symmetric loadings are considered: continuous load with constant magnitude P_0 , parabolic load, triangular (pyramidal) load, and two concentrated loads, one over $9/64$ th of the plate area and the other, on $1/64$ th. The nonlinear two-dimensional deflection equations are written in difference form and computed numerically on the computer "Strela" at the computer center of AN SSSR (Academy of Sciences, SSSR). The results are given both in tabular and graphic forms. Two sample figures are given in the Enclosure. Figure 1 shows plots of plate deflections at the center versus uniform loading (first of above set). Figure 2 shows maximum deflection of a square plate as function of total load p_0^* with type of loading as a parameter (p_0^* is the integral of the load distribution over the

Card 1/3

L 18427-63

ACCESSION NR: AP3006349

plate area). Orig. art. has: 24 equations, 6 figures, and 1 table.

ASSOCIATION: none

SUBMITTED: 16Jun62

DATE ACQ: 27Sep63

ENCL: 01

SUB CODE: AP

NO REF SOV: 005

OTHER: 003

Card 2/3

KORNISHIN, M.S. (Kazan'); ISANBAYEVA, F.S. (Kazan')

Some problems in the bending of flexible plates. Inzh.zhur. 3
no.4:721-727 '63. (MIRA 16:12)

L 18233-63

BDS/EWT(m)/EWP(r) AFFTC

ACCESSION NR: AP3000458

S/0198/63/009/003/0289/0298

AUTHOR: Kornishyn, M. S.

TITLE: On the application of the method of finite differences to the solution of boundary problems of the theory of plates 24

SOURCE: Prykladna mekhanika, v. 9, no. 3, 1963, 289-298

TOPIC TAGS: plate bending, deflection function, finite difference method, boundary conditions, finite-difference equilibrium reaction, equilibrium reaction, plate theory

ABSTRACT: The authors consider the possibility of replacing some of the finite-difference equilibrium equations by relations of the boundary condition and adjoining condition types. Numerical examples are given. A method is proposed for determining the deflection function at points beyond the boundary when applying the refined method of finite differences. The method of finite differences is applied to the problem of bending a circular by a concentrated force. The discussion is confined to problems of bending of plates, but the conclusions drawn can also be applied to other problems. Orig. art. has: 55 equations, 2 figures, and 1 table.

Card 1/2

L 18233-63

ACCESSION NR: AP3000458

ASSOCIATION: Fizyko-tekhnichnyy institut Kazans'kogo filialu AN URSR (Engineering
Physics Institute, Kazan' Affiliate of the AN URSR)

SUBMITTED: 2Mar62

DATE ACQ: 19Jun63

ENCL: 00

SUB CODE: PH

NO REF SOV: 003

OTHER: 000

Card 2/2

L 17598-65 EWT(d)/EWT(m)/EWP(w)/EWA(d)/EWP(v)/EWP(k)/EWA(h) Pf-4/Peb EM/MLK
 ACCESSION NR AM4048675 BOOK EXPLOITATION 5/

Kornishin, M. S.

Nonlinear problems in the theory of plates and spherical shells and methods
 of their solution (Nelineyny'ye zadachi teorii plastin i plogikh
 oboluchek i metody ikh resheniya), Moscow, Izd-vo "Nauka", 1964, 191 p.
 illus., biblio. 3,500 copies printed. (At head of title: Akademiya nauk
 SSSR. Kazanskiy filial).

TOPIC TAGS: nonlinear shell structure, nonlinear plate structure, spherical
 shell

TABLE OF CONTENTS [abridged]:

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 shells using the energy method and the Bubnov-Galerkin method -- 9
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 problems of plate bending -- 56
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ACCESSION NR AM4048675

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Ch. IV. Solution of nonlinear problems in the bending of plates and
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SUB CODE:AS, MA

SUBMITTED: 24 Apr 64

NR REF SOV: 099

OTHER: 020

Card 2/2

KORNISHIN, M.S. (Kazan'); ISANBAYEVA, F.S. (Kazan').

Elastic rectangular plates uniformly loaded along the axes of
symmetry. Inzh. zhur. 5 no.4:675-684, '65. (MIRA 18:9)

KORNISHIN, M.S.

Error in the geometrically linear theory of lateral plate
bending. Prikl. mekh. 1 no.10:82-86 '65. (MIRA 18:12)

1. Kazanskiy fiziko-tekhnicheskii institut. Submitted
June 11, 1964.

GOLIKOVA, Z.F.; KORNISHINA, A.M. (g. Saransk)

Experience in conducting chemical evenings. Khim.v shkole 9 no.3:
57-63 My-Je '54. (MLRA 7:6)
(Chemistry--Study and teaching)

C.A. KORNISHKO, P.I.

Apparatus for chlorination of water under village and field conditions. P. I. Kornishko. *Gigiena i Sanit.* 1990, No. 4, 44-7. —A device, based on the Mariot flask principle, is suggested for controlled addn. of chlorinated lime water to drinking water in moderately large containers (up to 1000 l.). G. M. Kosolapoff

WROBLEWSKA—KALUZEWSKA, Maria; KORNISZEWSKA, Jadwiga

Generalized infections in infants caused by Klebsiella pneumoniae. Ped. Pol. 40 no.4:369-374 Ap'65.

1. Z II Kliniki Pediatricznej Akademii Medycznej w Warszawie (Kierownik: prof. dr. med. T. Lewenfisz-Wojnarowska).

BORKOWSKI, Marian T.; KORNISZEWSKA, Jadwiga

A case of spontaneous hypercalcemia. Ped. Pol. 40 no.4:
409-412 Ap '65.

1. Z II Kliniki Pediatrycznej Akademii Medycznej w Warszawie
(Kierownik: prof. dr. med. T. Lewanfish-Wojnarowska).

KORNISZEWSKI, Lech; KROTKIEWSKI, Marcin

Biochemical tests in the differentiation of hypoglycemia.
Pol. arch. med. wewnet. 34 no.12:1713-1719 '64.

1. Z I Kliniki Pediatrycznej Akademii Medycznej w Warszawie
(kierownik: prof. dr. med. R. Baranski) i z II Kliniki
Chorob Wewnętrznych Studium Doskonalenia Lekarzy (Kierow-
nik: prof. dr. med. E. Ruzyllo).

KORNISZEWSKI, Lech

A case of Friedreich's disease co-existing with cardiac changes.
Padiat. Pol. 39 no.3:309-313 Mr'64

1. Z I Kliniki Pediatricznej AM w Warszawie; kierownik: prof.
dr.med. R.Baranski.

*

ENTER 1 FOR INFORMATION

Artemilistatsiya i matematicheskiy obrabotki v kumulyatsionnoy proizvodstvenosti
(Automation of Mechanical Working Processes in Cumulative Industry)
Moskva, 1999. 358 p. Russian slip format. 8,000 copies printed.

Consultants: J. A. MacIntyre, *Senior Engineer, Superintendent, Guidance of Submersible Balances, Docks*, and P. V. Miller, *Engineer of Technical Processes, Docks*; Ed. of Publishing House: V. L. Leytina and N. A. Grits'eva, *M. S. U.*; *Optimizing and Managing Ed. for Literature on Machine-Building Technology* (Geological Division, Moscow): To P. Rumny, *Engineer*.

WARNING: This book is intended for technical personnel.

small-jet propellers and the introduction of mechanical washing processes in ports is explained, and the possibilities of increasing labor productivity are pointed out. The author also describes the use of hydraulic cranes for loading and unloading of cargo, and the use of hydraulic cranes for loading and unloading of cargo. The author also describes the use of hydraulic cranes for loading and unloading of cargo. The author also describes the use of hydraulic cranes for loading and unloading of cargo.

For the simplest neural system, and a number of the original systems are described, the problem involved in the group matching method are investigated. No personalization or written comments. There are 57 references; 36 Soviet and 11 English.

Rosenzweig, L.W.; and B.M. Kozlov. Experiments Conducted in the Use of Rhythmic Visual Aids in Dog Production.

Bartley, R.B. and V.J. Tinkner. V. N. Open-Source's Dynamic Control Rides
1981

SECTION II.

POSTAL PROGRAM CONTROL

Leicht, T. M. Use of Numerical Program Control for the Automation of Machine Tools in Small-Batch Production

Veronica Adams, D.N., Editor, 614 Kornbluth, and her

Manufacturing of Second-Grade Currency b6
b7C
b7D

WILLIAM, A.M., and E.A. Dwyer, Portland Machine Model, 257th Vols.

James H. G. Yu, B. Gershenberg, and M. J. Trubnikov, *Preprint*

SECRET

Services in Program Control Systems

Summary, P.F. Numerical Program Control With Relay-Contact Devices for Setting the Magnitude of Tool Displacements

Widdow, P.A. - Intermittent Bleeds-Correlate Program Control System
P. 10/1/61

Assembly, A.P. Complete Control to the People

Control System on Turbine Lathes 10-A, 3722; Caddlers of Technical 8

SECTION III.

ABSTRACTING IS NOT PRODUCTION BASED ON THE

GROUP MATTHEW 23:1-12

Group Method as the Basis of Automation in the Production of Products

WEST, J. H. The New Model 1140 Sigma-8-joint Aircom:16
the late

14 SEP 1964

mechanization of
transmission of
the zero level layer
(zero level layer)

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PHASE I BOOK EXPLOITATION

SOV/5094

Voronov, Avenir Arkad'yevich, A. R. Garbuzov, B. L. Yermilov, M. B.
Ignat'yev, G. G. Kornitenko, G. N. Sokolov and Yang Hsi-Tseng

Tsifrovyye analogi dlya sistem avtomaticheskogo upravleniya; tsifrovyye
raznostnyye analizatory (Digital Analogs for Automatic Control Systems;
Digital Differential Analyzers). Moscow, Izd-vo AN SSSR, 1960. 195 p.
Errata slip inserted. 7,000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut elektromekhaniki.

Ed.: A. A. Voronov, Doctor of Technical Sciences; Ed. of Publishing House:
I. V. Barkovskiy; Tech. Ed.: V. T. Bochever.

PURPOSE: This book is intended to acquaint scientific and technical person-
nel with the latest developments in the field of computers.

COVERAGE: Digital differential analyzers are a relatively new development
in the field of computers and are not yet well elaborated theoretically.
Some of the newest developments in combining universal digital machines

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Digital Analogs for Automatic (Cont.)

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with nonlinear interpolators, such as the Ferranti interpolator, are as yet unknown to Soviet readers. While the Soviet literature contains several works describing the principles of construction and operation of differential analyzers intended for operation as computers, the main emphasis in this book is on general methods of synthesizing those machines which are intended to work as systems of automatic control, and also on problems of accuracy in operation. At present digital analogs are used mostly for programmed control of metalworking machines, where several operations, such as preparing data for control, feeding them into the computer, the computing process, and the process of control, are involved. The book investigates only the computing units of the control system. The authors state that the error of integration can be reduced by increasing the number of columns of multidigit numbers in the addend registers or by transition to more accurate, though more complicated, algorithms of approximate integration. However, they find that this complicates the system, and suggest a method which permits simplifying the system while maintaining its accuracy; that is, proceeding from difference, instead of differential, equations. A digital analog based on such principles should be called a digital "difference" analyzer instead of "differential" analyzer. The book discusses problems

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of synthesis and analysis of both difference and differential equations. Ways to reduce errors and simplify the arrangement of such computers are indicated. The book attempts to present certain theoretical developments in this field and as a first attempt does not claim to give a full solution of the problem. It also includes some general information on systems of computation and on their basic units and presents examples of difference analyzers developed at the Institute of Electromechanics, AS USSR. The introduction, pars. 1-6 and 8 of Ch. III, Ch. IV, pars. 1 and 4 of Ch. V, and pars. 3 and 4 of Ch. VIII were written by A. A. Voronov; pars. 1 and 2 of Ch. VIII by A. R. Garbuzov; Ch. I by B. L. Yermilov; par. 7 of Ch. III and Appendix I by M. B. Ignat'yev; Ch. II by G. G. Kornitenko; and Ch. VI by G. N. Sokolov, all coworkers of the Institute of Electromechanics, AN USSR. Pars. 2 and 3 of Ch. V were written by Yang Hsi-Tseng, coworker of the Academy of Sciences, Chinese People's Republic, and Chapter VII was written jointly by A. A. Voronov and B. L. Yermilov. No personalities are mentioned. There are 76 references: 39 Soviet (including 1 in French and 1 translation) and 37 English.

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Device for converting a unitary code during the rotation of the coordinate axis. Sbor. rab. po vop. elektromekh. no.9:45-53 '63.
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Improving precision in machining cams. Stan.1 instr. 25 no.3:9-14
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dissertation for the degree of Candidate of Agricultural Sciences
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Clinical aspects and surgical treatment of Barre-Masson disease.
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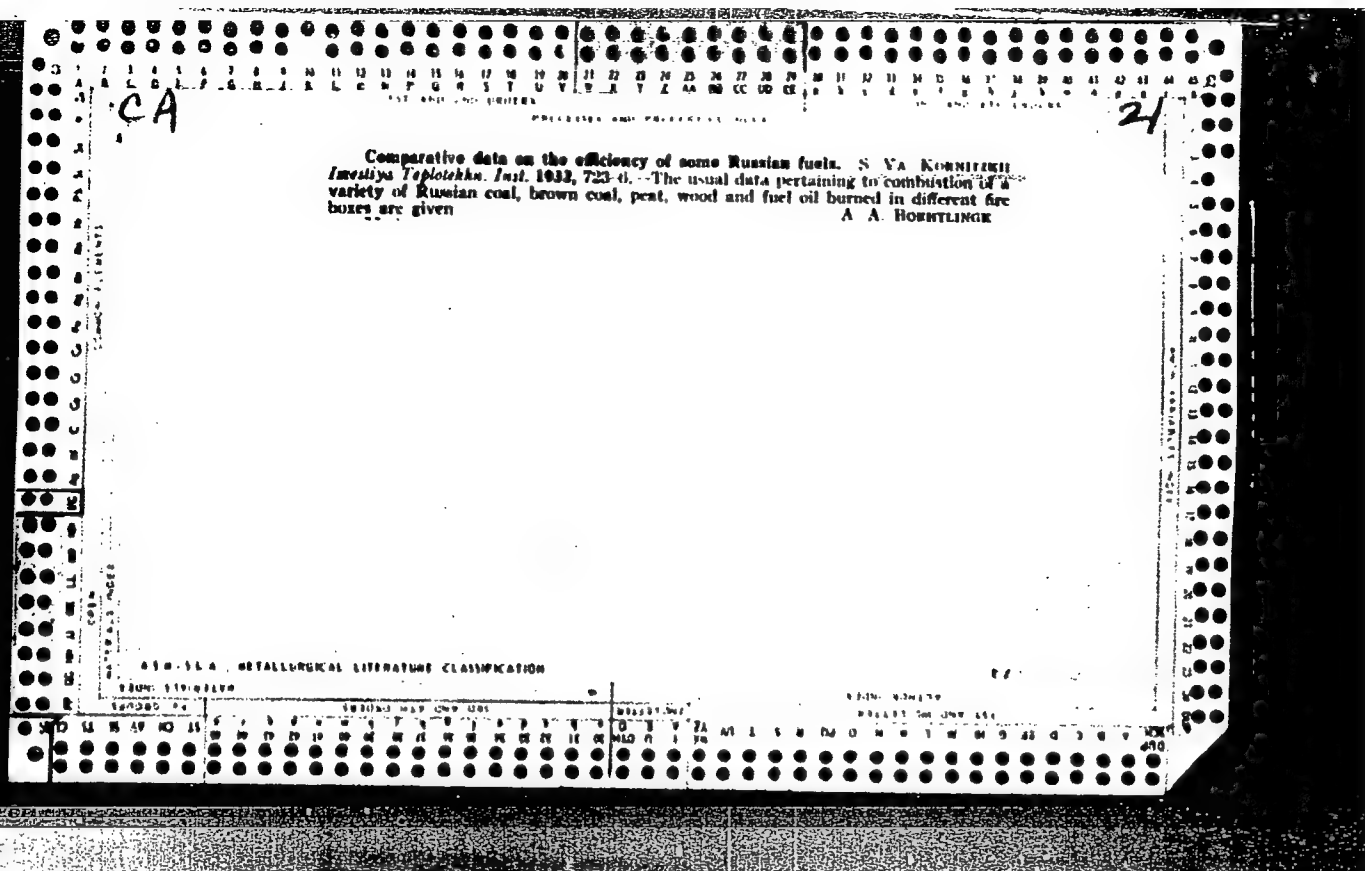
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Leventovskiy) Orenburgskogo meditsinskogo instituta (dir. - prof.
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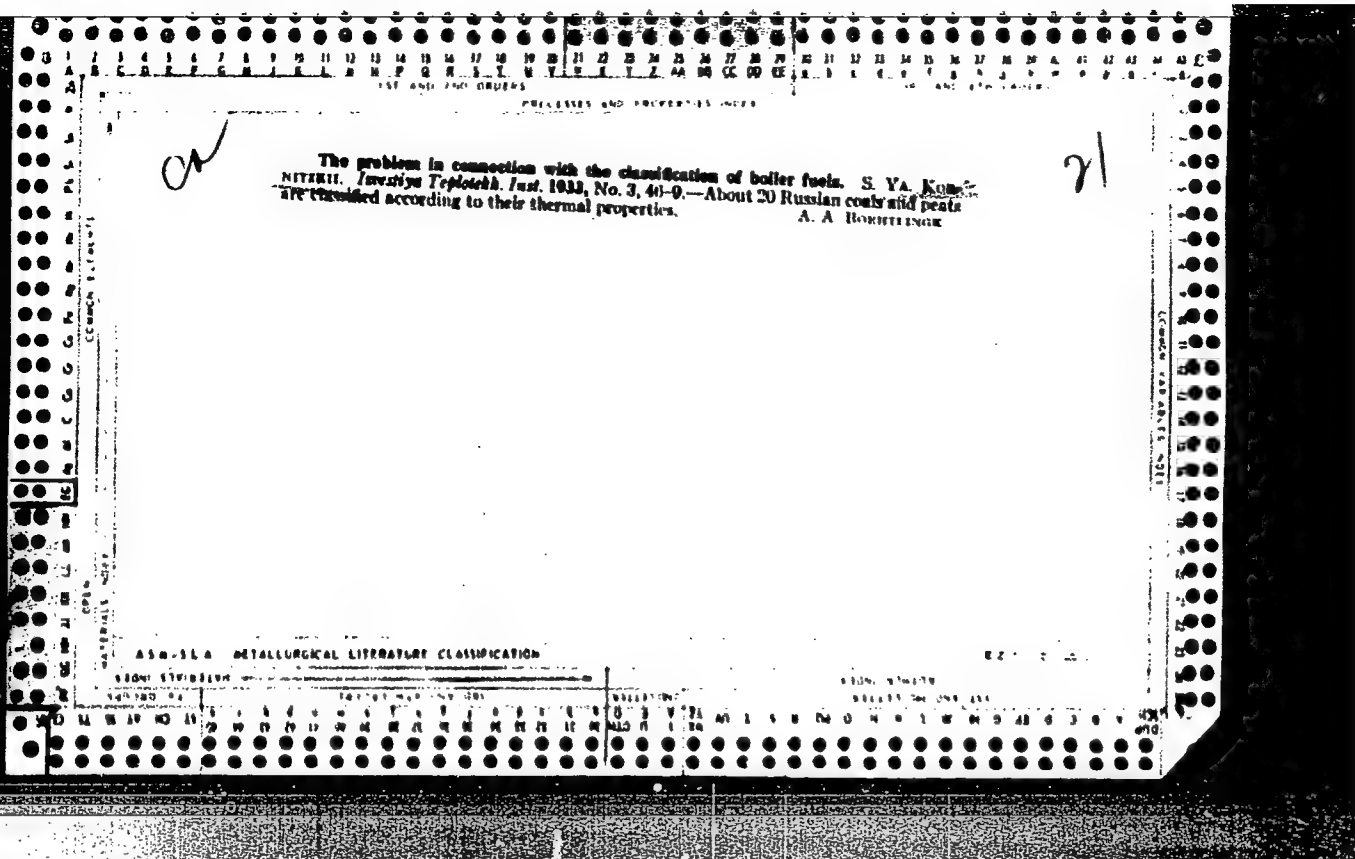
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Influence of ash in the fuel on the efficiency factor of combustion. S VA KORNILIN.
U.S. Invention Top Secret List 1032, 380-45 - Various factors affecting the combustion
of fuel, such as ash, moisture, content of O₂ and of N₂ in the fuel, etc., are analyzed in
detail. A. A. HORNSTEINER

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Coal, Pulverized

Preparation of pulverized coal for high-pressure boiler installation. Izv. VTI 21 No. 5
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<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Gubinshteyn, Ya. M.	"General Thermal Engineering" (student manual, 2d edition)	Moscow Power Engineering Institute imeni V.M. Molotov
Bludov, V. P.		
Vyubov, D. N.		
Kornitskiy, S. Ya.		
Litvin, A. M.		
Iuknitskiy, V. V.		
Prokhorov, F. G.		
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SO: W-30604, 7 July 1954

USSR.

✓1577. CLASSIFICATION OF BOLLER FUELS. Kechitskii, S. Ya.
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classification system presented is based on the main general technological
characteristics of fuel - calorific value (heat of combustion), volatile
matter, ash and moisture content - supplemented by various features
connected with the development of natural fuel and its combustibility.
The qualities of pyrogenous disintegration and combustion products (i.e.,
the dynamic characteristics) are described, and the high temperature
effect of fuel combustion appraised.

D.E.A.

112049-66 ENT(n)/E DI/WE

ACC NR: AP6011222 (A) SOURCE CODE: UR/0413/66/000 /006/0057/0057

INVENTOR: Gureyev, A. A.; Sobolev, Ye. P.; Shchegolev, N. V.; Alekseyev, A. I.; Kornitskiy, V. V.; Minkin, M. L.; Senichkin, M. A.; Livshits, S.M.; Englin, B.A.; Mikulin, Y.G.

ORG: none

TITLE: Starter fluid for engines with carburetors. Class 23, No. 179870

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 57

TOPIC TAGS: carburetor engine, starter fluid, engine starter fluid, antioxidant additive, antiwear additive

ABSTRACT: An Author Certificate has been issued describing a starter fluid for engines with carburetors. The fluid has a base of sulfuric ether and a mixture of low-boiling hydrocarbons with an antioxidant additive. It is suggested that to improve the functioning properties of the fluid, isopropyl nitrate or oxidation products of hydrocarbons plus an antiwear compound be added. [Translation] [NT]

SUB CODE: 21/ SUBM DATE: 13Nov64/

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UDC: 661.17:621.434.019-632

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824720015-2

Vitamin content in milk of cows and goats fed dried brewer's yeast.
Ukr. biokhim. zhur. 36 no.1:108-112 '64.

(MIRA 17:12)

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Kyev.

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Conference on the economic history of the Ukraine. Visnyk AN URSR
29 no.3:63-65 Mr '58. (MIRA 11:5)
(Ukraine--Economic conditions)

TEPLITSKIY, V.P.[Teplits'kyi, V.P.], red.; KORNIYCHUK, L.Ya.[Korniichuk, L.IA.], red.; SHABLIY, Ye.A.[Shablii, IE.A.], red.; LANDIN, B.O., red.; KADASHEVICH, O.O.[Kadashevych, O.O.], tekhn. red.

[History of economic thought in the Ukraine] Z istorii ekonomichnoi dumky na Ukraini. Kyiv, Vyd-vo Akad. nauk URSR, 1961. 346 p. (MIRA 15:4)

1. Akademiya nauk URSR, Kiev. Instytut ekonomiky.
(Ukraine—Economics)

KORNIYCHUK, V.A.

USSR / Human and Animal Morphology (Normal and Pathological).
Cardiovascular System.

S

Abs Jour : Ref Zhur - Biol., No 21, 1958, No 97108

Author : Korniychuk, V.A.

Inst : Vinnitsa Medical Institute

Title : Anastomoses of the Veins of the Foot.

Orig Pub : Sb. nauchn. tr. Vinnitsk, med. in-ta, 1957, 8, 41-46

Abstract : In 76 feet of humans of various ages, 9 layers of veins were conditionally isolated (in the direction from the dorsal surface to the planter). A layer-by-layer description of the venous anastomoses (A) is given. It is noted that in fetuses and the newborn, A are more numerous between the veins on one layer and between the layers of veins, than in adults. Veins of the 3rd layer have numerous and most constant A. A are most frequently distributed in places which are less subjected to compression, as well as in places of accumulation of a great quantity of adipose tissue.

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KORNIYCHUK, V.A. Card Med Sci. (diss) "Anatomy of the foot veins in man and vertebrate animals." Vinnitsa, 1960. 18 pp. (Ministry of Public Health Ukrainian SSR, Dnepropetrovsk State Medical Inst); 200 copies; free; (KL, 24-60, 135)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824720015-

KORNIYCHUK, V.A., assistant

Anatomy of cardiac veins in some vertebrates. Sbor.nauch.trud.
Vin.der.med.inst. 18 no.2:3-5 '58. (MIRA 16:2)

1. Kafedra normal'noy anatomii (zav. kafedroy doktor med.nauk,
prof. V.G. Ukrainskiy) Vinnitskogo gosudarstvennogo meditsinskogo
instituta.

(HEART--BLOOD SUPPLY) (VERTEBRATES--ANATOMY)

KORNIYCHUK, V.A., assistant

Veins in the dorsal surface of the human foot. Sbor.nauch.
tad.Vin.der.med.inst. 18 no.1:42-47 '58. (MIRA 16'2)

1. Kafedra normal'noy anatomii (zav. kafedroy doktor med.nauk,
prof. V.G. Ukrainskiy) Vinnitskogo gosudarstvennogo meditsinskogo
instituta.

(FOOT—BLOOD SUPPLY)

KORNIYCHUK, V.A., assistant

Anatomy of veins in the palmar surface of the human foot.
Sbor.nauch.trud.Vin.der.med.inst. 18 no.148-53 '58.

(MIRA 16:2)

1. Kafedra normal'noy anatomii (sav. kafedroy doktor med.nauk,
prof. V.G. Ukrainskiy) Winnitskogo gosudarstvennogo meditsinskogo
instituta.

(FOOT—BLOOD SUPPLY)

KORNIYCHUK, V.A., assistant; KIYEVSKAYA, Ye.M., assistant

Structure and topography of the panniculus adiposus of the anterior wall of the abdomen in man and some vertebrates.
Sbor.nauch.trud.Vin.der.med.inst. 18 no.2:66-71 '58.

(MIRA 16:2)

1. Kafedra normal'noy anatomii (zav. kafedroy doktor med.nauk, prof. V.G. Ukrainskiy) Vinnitskogo gosudarstvennogo meditsinskogo instituta.

(ADIPOSE TISSUES) (ANATOMY, COMPARATIVE) (ABDOMEN)

KORNIYENKO, A., polkovnik, kand.ekonomicheskikh nauk

Manufacturers of death. Komm. Vooruzh. Sil 4 no.6:86-89 Mr
'64. (MIRA 17:4)

KORNIYENKO, A., inzh.-podpolkovnik; KOZLOV, A., inzh.-mayor

Determining the humidity of the air and oxygen. Av. i kosm.
45 no.11:82-83 '62. (MIRA 15:11)
(Humidity—Measurement)

KORNIYENKO, A., inzh.

Restoration of the direct component of a television signal.
Radio no.5:38-40 My '62. (MIRA 15:5)
(Television--Receivers and reception)

KORNIYENKO, A., ~~insh.~~-podpolkovnik

Achieved by innovators. Av. 1 kosm. 45 no.1:72 Ja '63.
(MIRA 16:1)

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KORNIYENKO, A., inzh.-podpolkovnik; KOZLOV, A., inzh.-mayor

Degreasing containers for liquid oxygen. Av. i kosm. 45 no. 2:
83-84 F '63. (MIRA 16:2)
(Liquid oxygen--Transporation)

OL'SHANOVA, K., prof.; POTAPOVA, M., kand.khim.nauk; KORNIYENKO, A., kand.
tekhn.nauk; KUZENKO, Ye.; SHIBANOVA, P.

Ion exchange resins in the production of protein hydrolyzates.
Mias.ind.SSSR 35 no.1:16-20 '64. (MIRA 17:4)

1. Moskovskiy technologicheskii institut myasnoy i molochnoy
promyshlennosti (for Korniyenko). 2. Moskovskiy ordena Lenina
myasokombinat (for Shibanova).

OSTROVERKHOV, V.G.; BACHOVSEVA, I.A.; KOBNIKOVA, A.A.

Polymerizability of some β -allyl compounds. Vysshaya shkola.
6 no. 5:925-928 1964. (MIRA 17:6)

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KORNIYENKO, A.A., kand. med. nauk

Treatment of otorhinolaryngological diseases at the Lyuben'
Veliky, Health Resort. Zhur. ush. nos. 1 gorl. bol. 23 no.6:78-79
N-D '63. (MIRA 17:5)

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KORNIYENKO, A.A.

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1. Of the Clinic for Diseases of the Ear, Throat, and Nose (Director -- Honored Worker in Science Bashkir ASSR Prof. S. V. Mikhaylovskiy), L'vov Medical Institute.

KORNIYENKO, A.A.; POLUNOV, M.Ya.; MIKHAYLOVSKIY, S.V., professor, zaslushennyy de-
yatel' nauki, direktor.

Scleroma of the respiratory tract in children. Vest.oto-rin. 15 no.4:90 J1-
Ag '53. (MIRA 6:9)

1. Klinika bolezney ukha, gorla i nosa L'vovskogo meditsinskogo instituta.
(Rhinoscleroma)